De Anza College

Winter: 2015   **INSTRUCTOR**: Mr. Chris Tsuji
COURSE: Math 114. -71, (30827)   **Time:** 6:30 – 8:45 P. M.
      College Math Preparation Level 3: Intermediate Algebra   5 Units.
DAY: Monday, Wednesday   **ROOM**: E32
OFFICE: Monday, Wednesday: 5:45 pm - 6:15 pm, Room E37
Preferred method of contact: E-mail: tsujichristie@deanza.edu   Type: **Math 114** in Subject line if you want a reply.
WEBSITE: http://www.deanza.edu/faculty/tsujichristie/   **Check website for additional information about the class**.

Objectives: Application of exponential and logarithmic functions, rational functions, and sequences and series to problems. Emphasis is on the development of models of real world applications and interpretation of their characteristics.

Prerequisites: Qualifying score on the Math Placement Test within last calendar year; or Mathematics 212 with a grade of C or better, or equivalent. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

Text: <u>Intermediate Algebra</u>, 5th edition by Robert Blitzer.
      <u>Intermediate Algebra</u>, 2nd custom edition by Robert Blitzer. Check website for additional information.

Materials: Pencil, eraser, 3" by 5" cards, unlined paper and graph paper. Graphing or scientific calculator recommended.

Time commitment: According to the college catalogue, page 35 under Units, "Students should expect two hours of outside preparation for each one hour spent in class." Since the class meets 4 + hours a week, it is expected a minimum of 8 hours a week should be spent on this class. Mastery of the material should determine by how much time you spend, not the clock.

Attendance: Regular and punctual attendance is expected of each student. Students will be allowed **three absences**. Every absence after the third will result in the deduction of 1 percentage point from your final grade percentage in the class. On the fourth absence, the student should complete the paper work for a drop or a grade of F could be given for the quarter.

Please contact instructor prior to absence if there is an extreme problem. Difficulties that could cause attendance problems should, at your initiative, be discussed with the instructor as early as possible.

It is your responsibility to sign the attendance sheet.

All students are **required** to attend the first four class meetings. Add slips will be given on the second-class meeting.

If you decide to discontinue with the course, it is your responsibility to drop. You must officially drop on or before Friday, February. If you have more than four absences, then you may be dropped. If you are on the final report form, then you will receive a grade.

Assignments: Assignments are to be attempted on a class-to-class basis. Time will be set at the beginning of each class to answer questions from the assignments. Write your question(s) on a 3-inch by 5-inch card and turn in at the beginning of class. Each assignment is 5 points. There are 17 assignments, 15 will count.
All the assignments are on the Internet using MyMathLab: www.pearsonmylab.com. The access code can be obtained when the book is purchased or purchased online. The name of the course is: Math 114 Winter 2015. The course ID is: tsuji04324. There is a 17-day trial period. You can change the trial to full access when you obtain the access code. December 29, 2014 is the opening date to enroll.

The problems assigned are not intended for mastery of the topic. More problems should be done from the book to master the topic of the assignment.

Quizzes: Quizzes will be based on the assignments. You must be in class to take the 'in class' quizzes. Expect a 10-point quiz every time the class meets. You are allowed to miss two 10 point in class quizzes. Take home quizzes will be emailed before each examinations for a review. Each take home quiz is 15 points.

Exams: There will be four exams, each worth 100 points Check the web site for the dates of the exams and other information.

Final Exam: A comprehensive 200-point **final exam** will be given on Wednesday**, March 25 from 6:15 P.M. – 8:15 P.M.** The final examination must be taken in order to receive a grade.

Make-Up: There are **no** make-ups for missed exams or quizzes. Exams and quizzes missed will be scored 0.

Cheating: Cheating (taking credit for someone's work and answers without proper authorization) will not be tolerated. If caught, a grade of F will be assigned for the course and the division dean will be notified.

Finished: If you leave the classroom after a quiz or exam is distributed, then you are finished.
The use of cell phones, cameras, texting devices or any other **unauthorized electronic** devices are strictly prohibited.

Evaluation: Grades will be determined as follows

Exams	400 points		
Quizzes – in class	140 points	A:	801 - 890 points (90%)
Quizzes – take home	75 points	B:	712 - 800 points (80%)
Assignments	75 points	C:	623 - 711 points (70%)
Final Exam	200 points	D:	534 - 622 points (60%)
Total	**890 points**	F:	0 - 533 points

NOTE:
- Assignments, quizzes, examinations should be done in pencil.
- Be on time.
- Ask questions.
- Start a study group. It helps.
- Do not wait until it is toooooo late. Ask for help.
- There is NO extra credit. Do not ask.

Special, Important Dates:
Saturday, January 17, last day to add.
Monday, January 19, last day to drop with no grade of record.
Monday, January 19, Observance - Martin Luther King's Birthday – no class
Monday, February 16, Observance – George Washington's Birthday – no class
Friday, February 27, last day to drop with W.
Wednesday, March 25 from, 6:15 P.M. – 8:15 P.M., Final Examination.

Student Learning Outcomes

The Mathematics Department at DeAnza College has established these outcomes for Math 114.

Outcome 1: Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.

Outcome 2: Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view - visual, formula, numerical, and written.

Need help? Meet with tutors and attend workshops in the Student Success Center: www.deanza.edu/studentsuccess

Can't make it to campus? Use the free online tutoring available to all De Anza students. Just login to MyPortal, go to the Students tab, and find the Smarthinking link. For more information, go to deanza.edu/studentsuccess/onlinetutoring/

			Math 114.-71 (30827), Monday, Wednesday, 6:30 PM - 8:45 PM		
Winter 2015			Mr. Chris Tsuji, DeAnza College	Blitzer, 5th ed	
		This is a sample schedule. All assignments are to be done on MyMathLab software.			
Assign number	Lecture		Mr. Chris Tsuji	Due	
1			See website	12-Jan	
2	5-Jan	Ch 1	Review of chapter 1	28-Jan	
		1.6	Properties of Integral Exponents		
3	7-Jan	4.2	Compound Inequalities	28-Jan	q-1
		4.3	Equations and Inequalities involving Absolute Value		
4	12-Jan	5.3	Greatest Common Factors and Factoring By Grouping	28-Jan	q-2
		5.4	Factoring Trinomials		
		5.6	A general Factoring Strategy		
5	14-Jan	11.1	Sequences and Summation Notation	28-Jan	q-3 h -1
		11.2	Arithmetic Sequences		
6	21-Jan	11.3	Geometric Sequences and Series	28-Jan	q-4
		6.1	rational Expressions and Functions: Multiplying and dividing		
	26-Jan	**Exam 1: Ch. 1; Ch. 4, sec 2, 3; Ch 5, sec 4, 6; Ch 11, sec 1, 2, 3**			
7	28-Jan	6.2	Adding and Subtracting Rational Expressions	12-Feb	q-5
		6.3	Complex Rational Expressions		
8	2-Feb	6.4	Division of Polynomials	12-Feb	q-6
		6.6	Rational Equations		
9	4-Feb	6.7	Formulas and Applications of Rational Equations	12-Feb	q-7, h-2
10	9-Feb	6.8	Modeling Using Variation	12-Feb	q-8
		7.1	Radical Expressions and Functions		
	11-Feb	**Exam 2: Chapter 6**			
11	18-Feb	7.2	Rational Exponents	5-Mar	q-9
12	23-Feb	7.3	Multiplying and Simplifying Radical Expressions	5-Mar	q-10
		7.4	Adding, Subtracting, and Dividing Radical Expressions		
13	25-Feb	7.5	Multiplying with More Than One Term and Rationalizing Denominators	5-Mar	q-11
		7.6	Radical Equations		
14	2-Mar	9.1	Exponential Functions	19-Mar	q-12
	4-Mar	**Exam 3: Chapter 7**			
15	9-Mar	9.2	Composite and Inverse Functions	19-Mar	q-13
		9.3	Logarithmic Functions		
16	11-Mar	9.4	Properties of Logarithms	19-Mar	q-14
		9.5	Exponential and Logarithmic Equations		h-4
17	16-Mar	9.6	Exponential Growth and Decay: Modeling Data	19-Mar	q-15
		10.1	Distance and Midpoint Formulas; Circles		
	18-Mar	**Exam 4: Chapter 9**			h-5
	23-Mar		Review		q-16
	25-Mar	**Final Examination 6:15 pm - 8:15 pm**			